CG

RESTRICTED CIRCULATION

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Agricultural Memorandum No 682

Weather and the Febrile Sore Throat

L P Smith

Data were available as for the common colds (see Ag Mem 680) using the same analytical approach, (cases per 100,000),

C_T = mean number of cases in a four week period

F = number of cases in previous week

H = mean Kew 0900 vapour pressure over 4 week period starting 1 week before disease period

then

$C_T = 138.5 + 0.29F - 3.17H$

with a multiple correlation of 0.73

and partial correlations

C_T on F 0.45

C_T on H -0.54

No trace of any immunity factor could be found and vapour pressure appeared to be more significant than minimum temperature, thus suggesting that indoor relative humidities might be an influence.

Any comments or suggestions on this paper should be referred to the author.

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